

## CONNECTICUT RIVER BASIN

01188000 BURLINGTON BROOK NEAR BURLINGTON, CT--Continued

## WATER-QUALITY RECORDS

PERIOD of RECORD.--Water years 1956, 1968 to current year.

PERIOD of DAILY RECORD.--

WATER TEMPERATURES: January 1971 to January 1972.

EXTREMES FOR PERIOD of DAILY RECORD.--

WATER TEMPERATURES: Maximum, 23.5°C July 27, Aug. 9, 1971; minimum, 0.0°C on many days during winter periods.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
OCT 15...	0915	2.5	121	7.5	13.5	14.0	3.7	9.3	93	107	111	27	6.92	
JAN 15...	1220	2.3	137	6.6	3.5	3.0	2.6	13.4	103	28	19	25	6.02	
APR 24...	1245	4.4	102	6.7	14.0	10.0	1.3	10.6	96	32	3k	19	4.30	
JUL 08...	0930	1.1	120	7.1	25.0	18.5	6.5	8.8	96	46	46	25	6.38	
Date	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	
	OCT 15...	2.43	10.9	1.90	0	28	23	6.4	17.4	E.1	11.7	68	78	<.008
	JAN 15...	2.42	13.6	1.35	0	17	14	7.7	22.7	<.1	10.7	82	82	<.008
	APR 24...	1.96	9.70	.95	0	12	10	6.4	15.2	<.1	7.92	66	61	E.004
	JUL 08...	2.21	11.0	1.47	0	27	22	5.4	15.2	E.1	10.1	72	72	.015
Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	
	OCT 15...	.14	.19	.17	.35	.32	.49	.015	E.002	<.02	6	<.05	11	<.06
	JAN 15...	.25	.20	.14	.34	.34	.60	.007	E.004	<.02	10	E.03	10	<.06
	APR 24...	.08	.07	.21	.28	.30	.36	.011	.006	<.02	29	.18	8	<.06
	JUL 08...	.24	.13	.24	.37	.28	.61	.017	.009	<.02	15	E.03	9	<.06
Date	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	
	OCT 15...	<.04	<.8	.19	.3	154	<.08	222	E.1	.41	<1	2	<.02	3.7
	JAN 15...	E.02	<.8	.43	.2	299	E.07	294	E.1	.46	<1	3	<.02	1.6
	APR 24...	<.04	<.8	.21	.5	384	.15	126	E.1	.53	<1	5	E.02	3.3
	JUL 08...	<.04	<.8	.15	.3	871	.16	176	.3	.50	<1	<1	E.01	3.3

Value qualifier codes used in this report:

k -- Counts outside acceptable range

## Science Challenge

What percentage of the world's freshwater is stored as glacial ice?  
What is the largest glacier in the United States?

Find more earth science information on our website at <http://www.usgs.gov>

About 70 percent of the world's freshwater is stored as glacial ice. That's equivalent to about 60 years of precipitation over the entire globe. The Bering Glacier near Cordova, Alaska is the largest glacier in the United States.